

CLAIMS

1. An oxide-dispersion-strengthened platinum material in which dispersed particles made from a metallic oxide of an additive metal are dispersed in a matrix made from platinum or a platinum alloy, characterized in that the concentration of oxygen in the material except oxygen bound to the additive metal is 100 ppm or lower.
2. The oxide-dispersion-strengthened platinum material according to claim 1, wherein an average diameter of the dispersed particles is 0.2 μm or smaller, an average value of distances between the particles is 0.01 to 2.7 μm , and the concentration of the dispersed particles is 0.01 to 0.5 wt%.
3. The oxide-dispersion-strengthened platinum material according to claim 1 or claim 2, wherein the oxidation rate of the additive metal is 50 to 100%.
4. The oxide-dispersion-strengthened platinum material according to any one of claims 1 to 3, wherein the additive metal is any of zirconium, calcium, yttrium and samarium.
5. The oxide-dispersion-strengthened platinum material according to any one of claims 1 to 4, wherein the matrix is any of a platinum-rhodium alloy, a platinum-gold alloy, a platinum-rhodium-gold alloy and a platinum-iridium alloy.